

FIG. 1

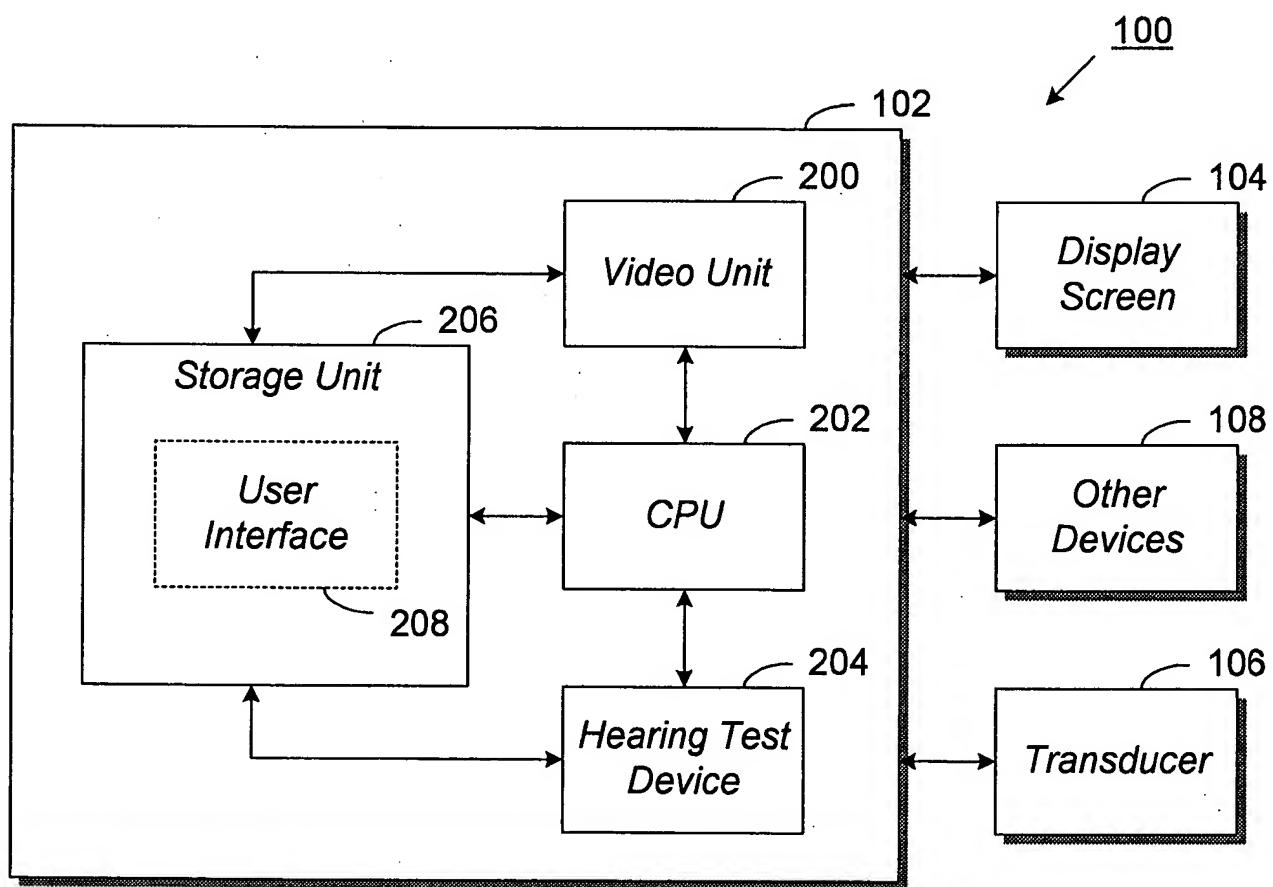
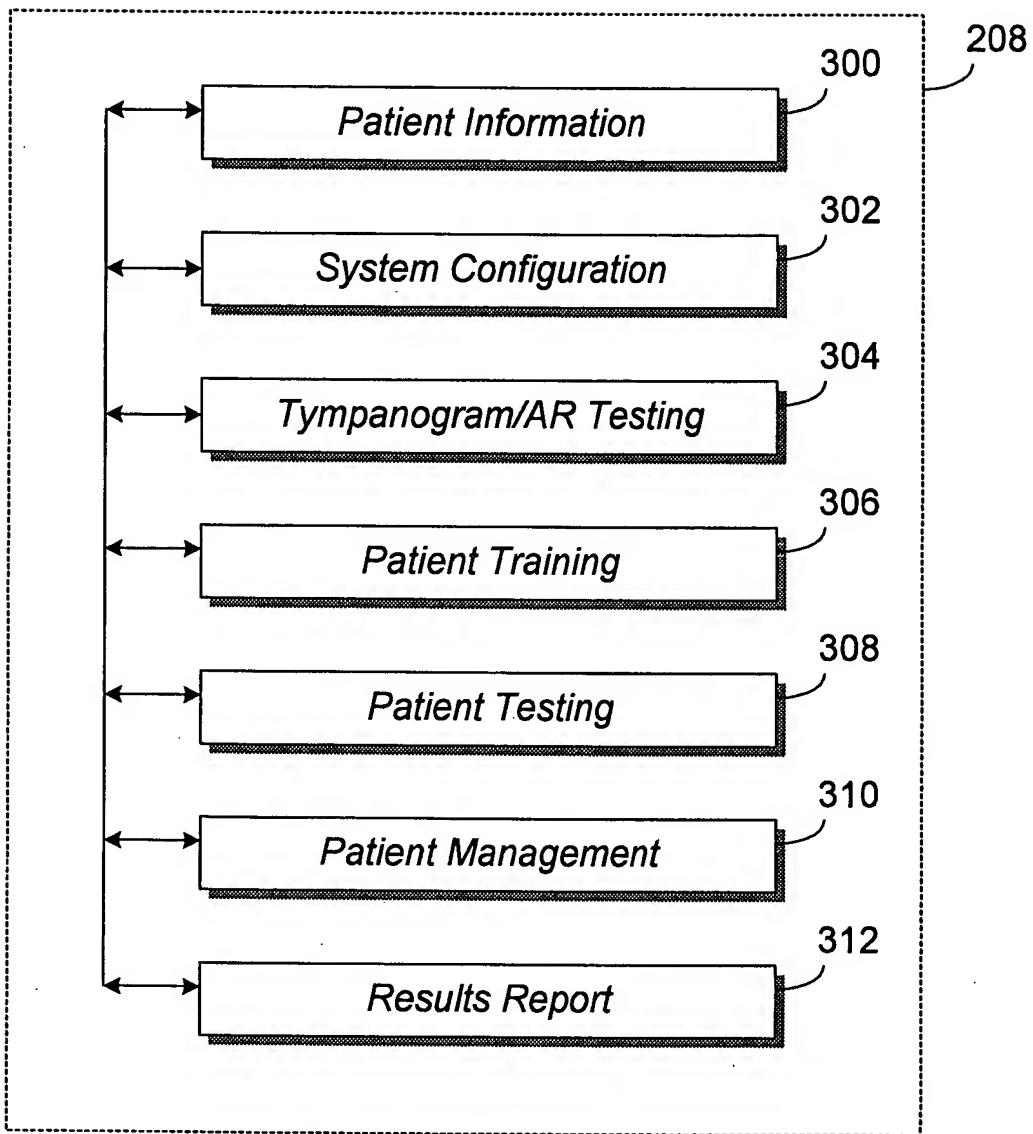


FIG. 2



*FIG. 3*

Otogram<sup>™</sup>  
by Tympany

New Session

Testing Language: English

Chart number: 406  
402  
404

Patient name: 408

View Reports 410

Advanced Options 412

Turn Off 414

Reconfigure 416

Tympanogram

Acoustic Reflex

DP Otoacoustic Emissions

Air and Bone Conduction

Speech Reception

Speech Discrim

Patient Survey

1  
400

FIG. 4

Otogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Doctors: SD4      Administrators: SD6

Dr. Smith	Jane Doe
-----------	----------

Optional Input Fields:

Doctor's Name	<input checked="" type="checkbox"/> Displayed	<input type="checkbox"/> Required
Clinic's Name	<input checked="" type="checkbox"/> Displayed	<input checked="" type="checkbox"/> Required
Date of Birth	<input type="checkbox"/> Displayed	<input type="checkbox"/> Required
Sex	<input type="checkbox"/> Displayed	<input type="checkbox"/> Required
Test Administrator	<input checked="" type="checkbox"/> Displayed	<input checked="" type="checkbox"/> Required

Doctors: SD4      Administrators: SD6

Clinic: Southwest ENT      Chart# Default: SD8

Save      Exit

SD0

FIG. 5A

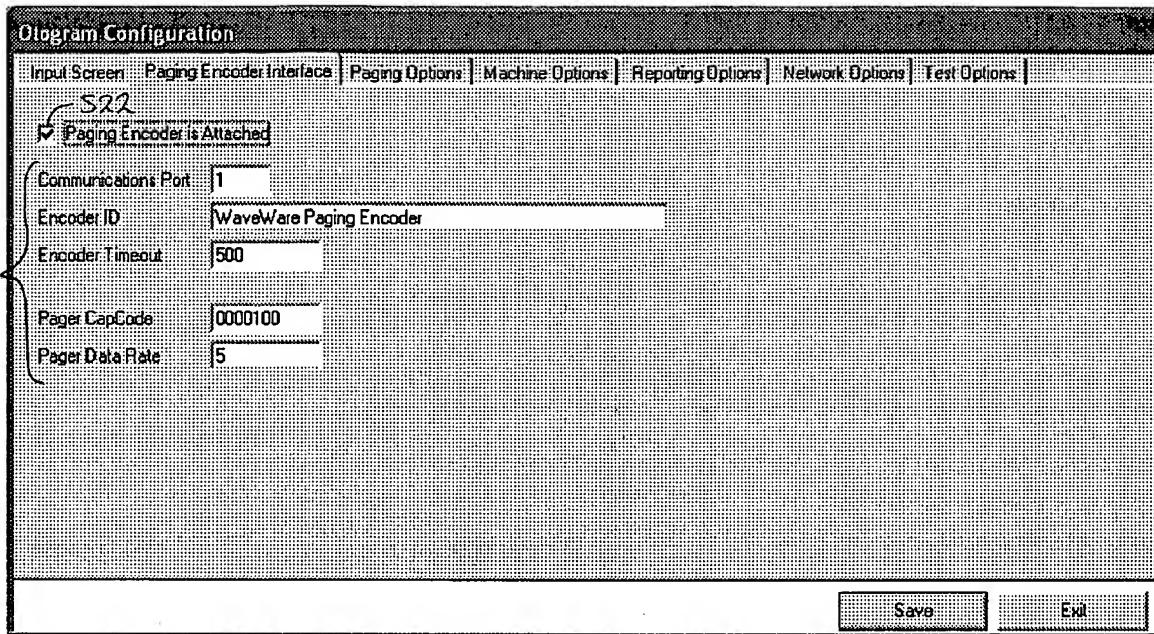
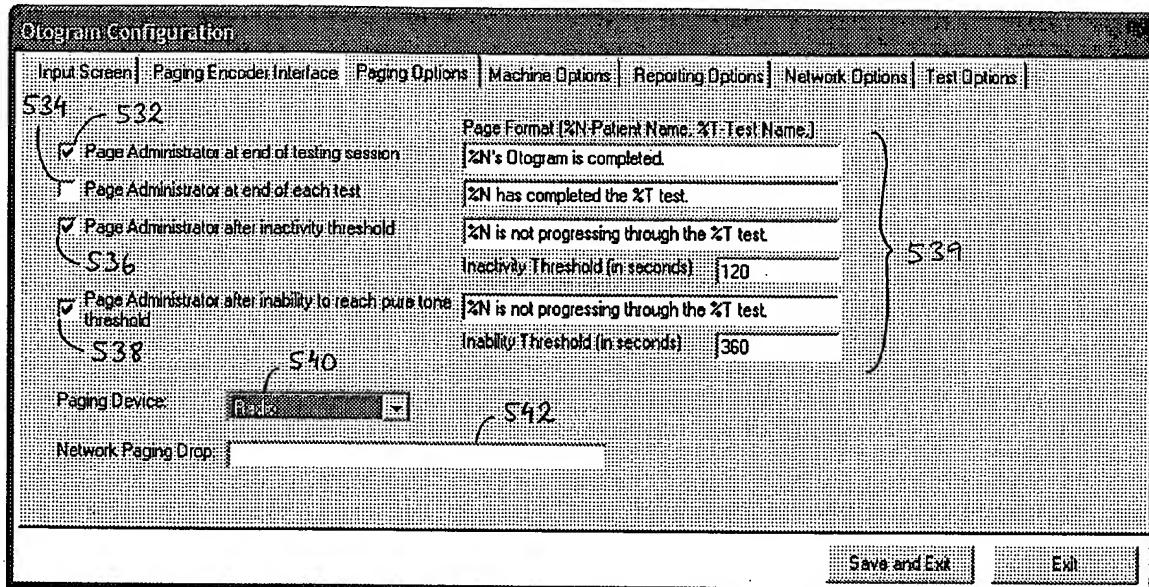
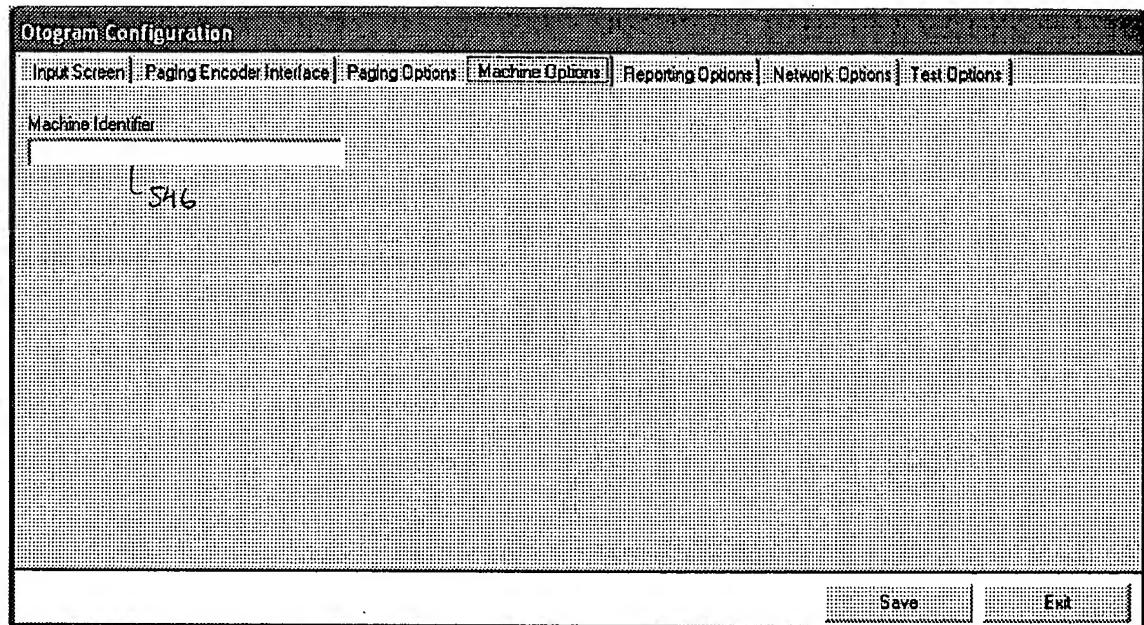


FIG. 5B



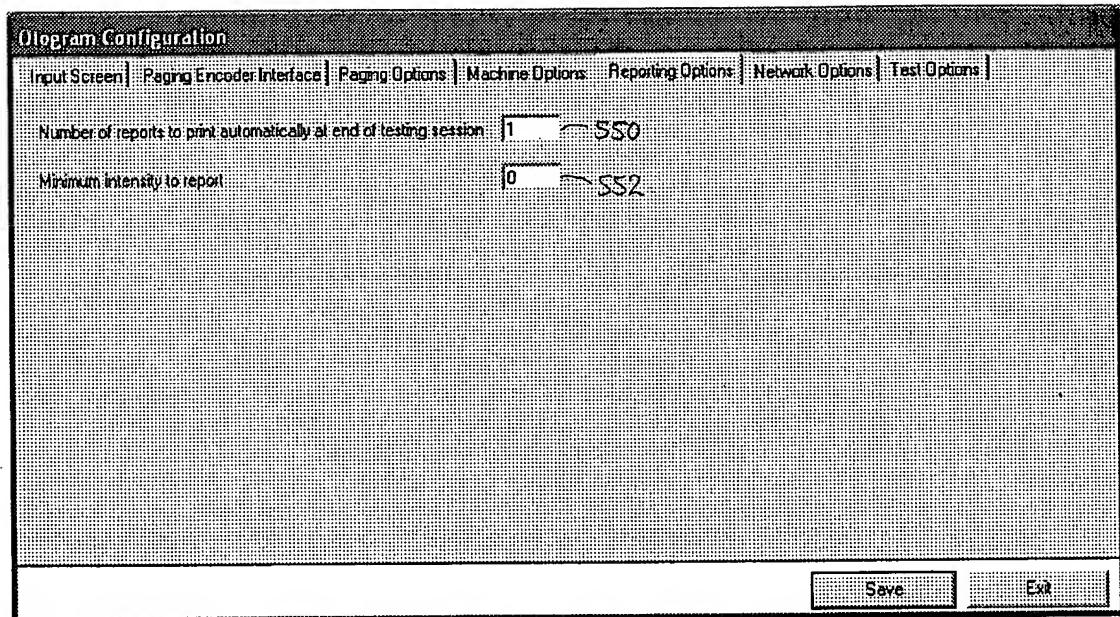
530

FIG. 5C



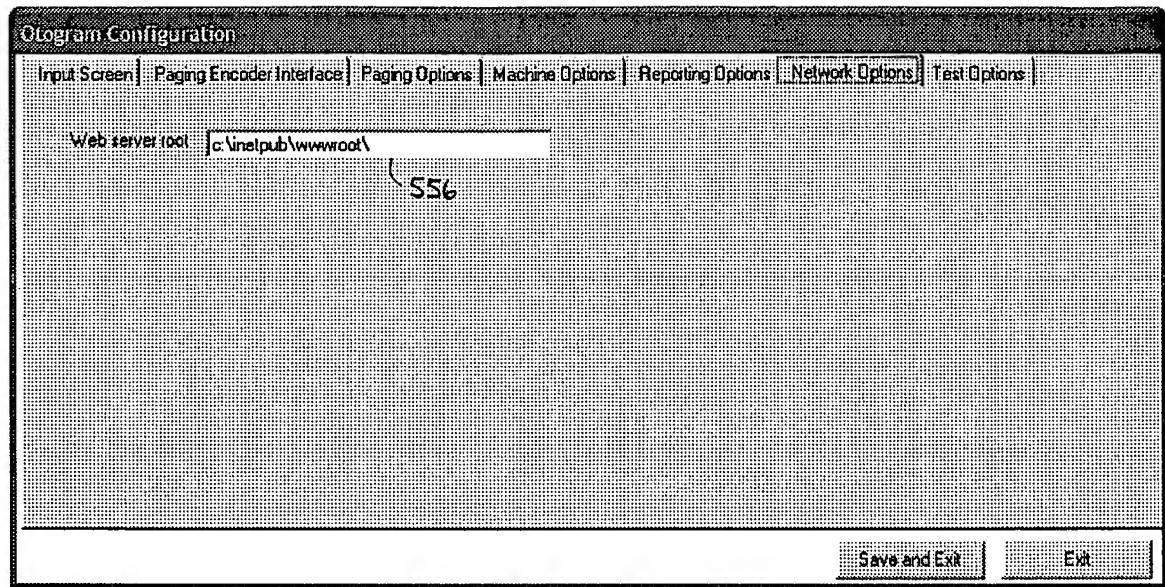
1  
546

FIG. 5D



↑  
S48

FIG. SE



↑  
SS4

FIG. 5F

Orogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | **Test Options**

Speech Reception Threshold | Survey | DP.Otacoustic Emissions |  
 Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination |

**S64** {

Name	ATB	250	500	1K	2K	3K	4K	6K	8K
Always	<input type="radio"/>	<input checked="" type="radio"/>							
Never	<input type="radio"/>								
As Needed	<input type="radio"/>								

Always mask bone

**S74**      **S66**      **S68**      **S70**      **S72**

PTA is defined as average of:  
 2 best of 500Hz, 1kHz and 2kHz  
 500Hz + best of 1kHz or 2kHz  
 500Hz, 1kHz and 2kHz  
 500Hz, 1kHz, 2kHz, 3 or 4kHz

**S62**

Test Selection Defaults

Tympanometry  
 Acoustic Reflex  
 DP.Otacoustic Emissions  
 Air and Bone Conduction  
 Speech Reception Threshold  
 Speech Discrimination  
 Patient Survey

**S62**

Save and Exit | Exit

↑

560

FIG. 5G.

Otogram Configuration

Input Screen | Pacing Encoder Interface | Pacing Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions |  
 Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination |

578 { Name: Tympanogram  
 Comm Port: 4 Zodac 901 GS138 Fluffy No Tymp Attached

580 { Starting Pressure (daPa): 400  
 Ending Pressure (daPa): 200

582 { Calibration Values  
 Left: 0.5 cm<sup>3</sup> 0 Cal 25.76 Cal  
 2.0 cm<sup>3</sup> 0 Cal 21.21 Cal  
 4.0 cm<sup>3</sup> 0 Cal 17.61 Cal

576

562

Test Selection Defaults

Tympanometry  
 Acoustic Reflex  
 DP Otoacoustic Emissions  
 Air and Bone Conduction  
 Speech Reception Threshold  
 Speech Discrimination  
 Patient Survey

Save and Exit | Exit

560 ↑

FIG: 5H

Otoogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions |  
 Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination

Name	Acoustic Reflex		S84	
	Ipilateral	Contralateral		
500	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Initial dB Level: 75	586
1K	<input checked="" type="checkbox"/>	<input type="checkbox"/>	dB Increment Size: 10	
2K	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Reflex Threshold (cm3): 0.05	
4K	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	S85		S83	

Test Selection Defaults:

Tympanometry  
 Acoustic Reflex  
 DP Otoacoustic Emissions  
 Air and Bone Conduction  
 Speech Reception Threshold  
 Speech Discrimination  
 Patient Survey

S82

Save and Exit | Exit

560

FIG. 5I

Orogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options

Speech Reception Threshold | Survey | DP Otoacoustic Emissions |  
 Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | **Speech Discrimination**

588

**Name** Discrim

Presentation Base Level: AI Bucket: 0

Presentation Type: Closed

Minimum Presentations: 12

Min Presentation Level: 30

Max Presentation Level: 120

Word List (Open Set, English Only): W-22

587

562

Test Selection Defaults

Tympanometry

Acoustic Reflex

DP Otoacoustic Emissions

Air and Bone Conduction

Speech Reception Threshold

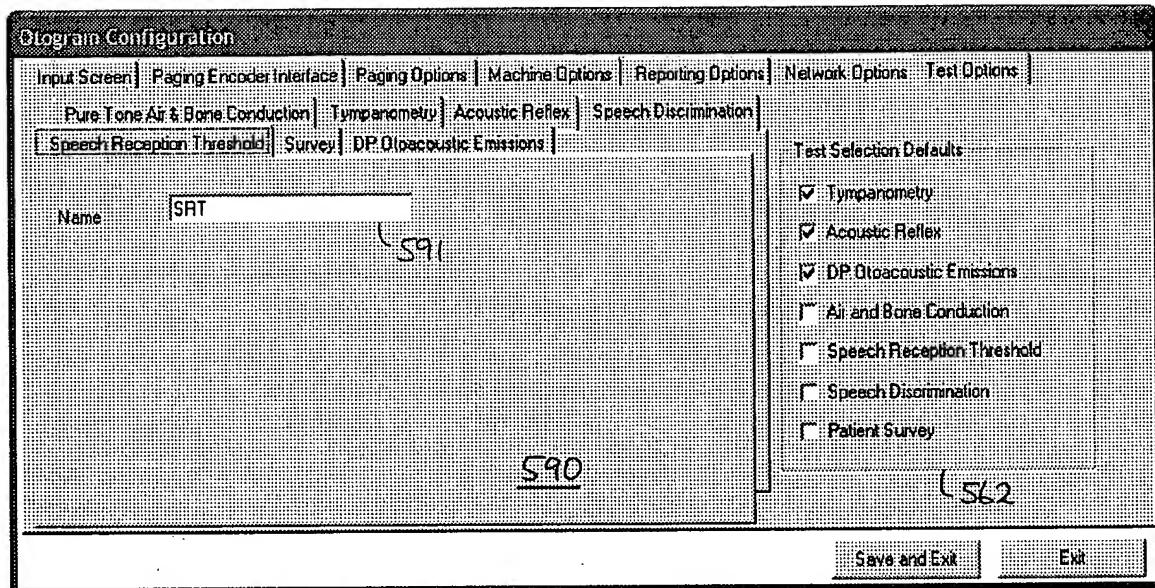
Speech Discrimination

Patient Survey

Saves and Exit | Exit

560

Fig. SJ



560

1

FIG. 5K

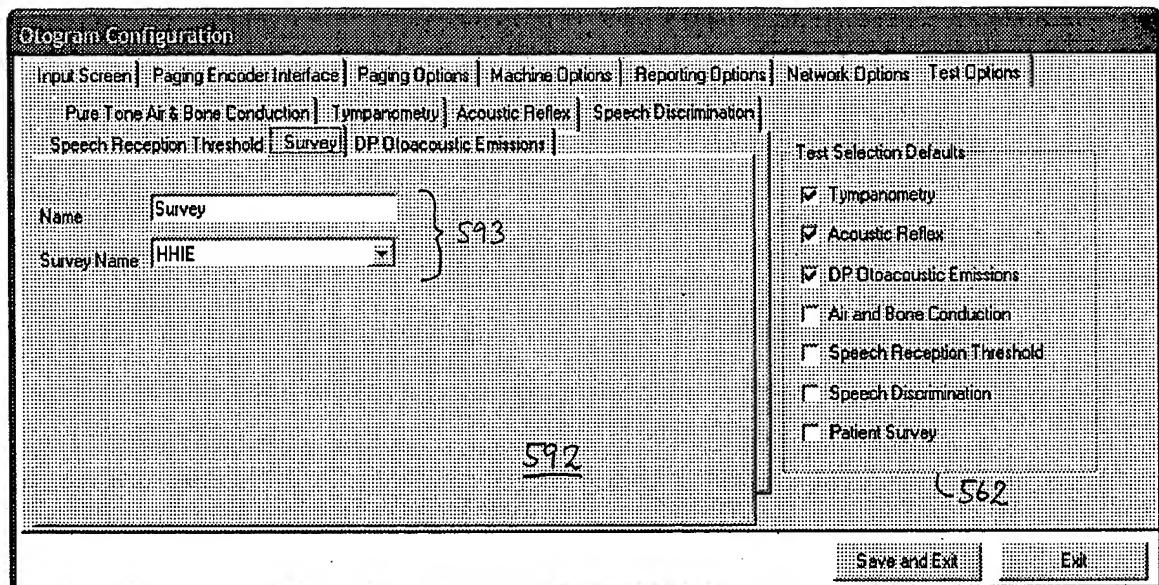


FIG. 5L

Otogram Configuration

Input Screen | Paging Encoder Interface | Paging Options | Machine Options | Reporting Options | Network Options | Test Options |

Pure Tone Air & Bone Conduction | Tympanometry | Acoustic Reflex | Speech Discrimination |

Speech Reception Threshold | Survey | DP Otoacoustic Emissions |

595

Name	DP Otoacoustic Emissions
500	Test: <input checked="" type="checkbox"/> Response Floor: <input type="text" value="-5"/> Noise Ceiling: <input type="text" value="15"/>
1K	Test: <input checked="" type="checkbox"/> Response Floor: <input type="text" value="-5"/> Noise Ceiling: <input type="text" value="0"/>
2K	Test: <input checked="" type="checkbox"/> Response Floor: <input type="text" value="-5"/> Noise Ceiling: <input type="text" value="-10"/>
4K	Test: <input checked="" type="checkbox"/> Response Floor: <input type="text" value="-5"/> Noise Ceiling: <input type="text" value="-15"/>

594

562

Test Selector Defaults

Tympanometry

Acoustic Reflex

DP Otoacoustic Emissions

Air and Bone Conduction

Speech Reception Threshold

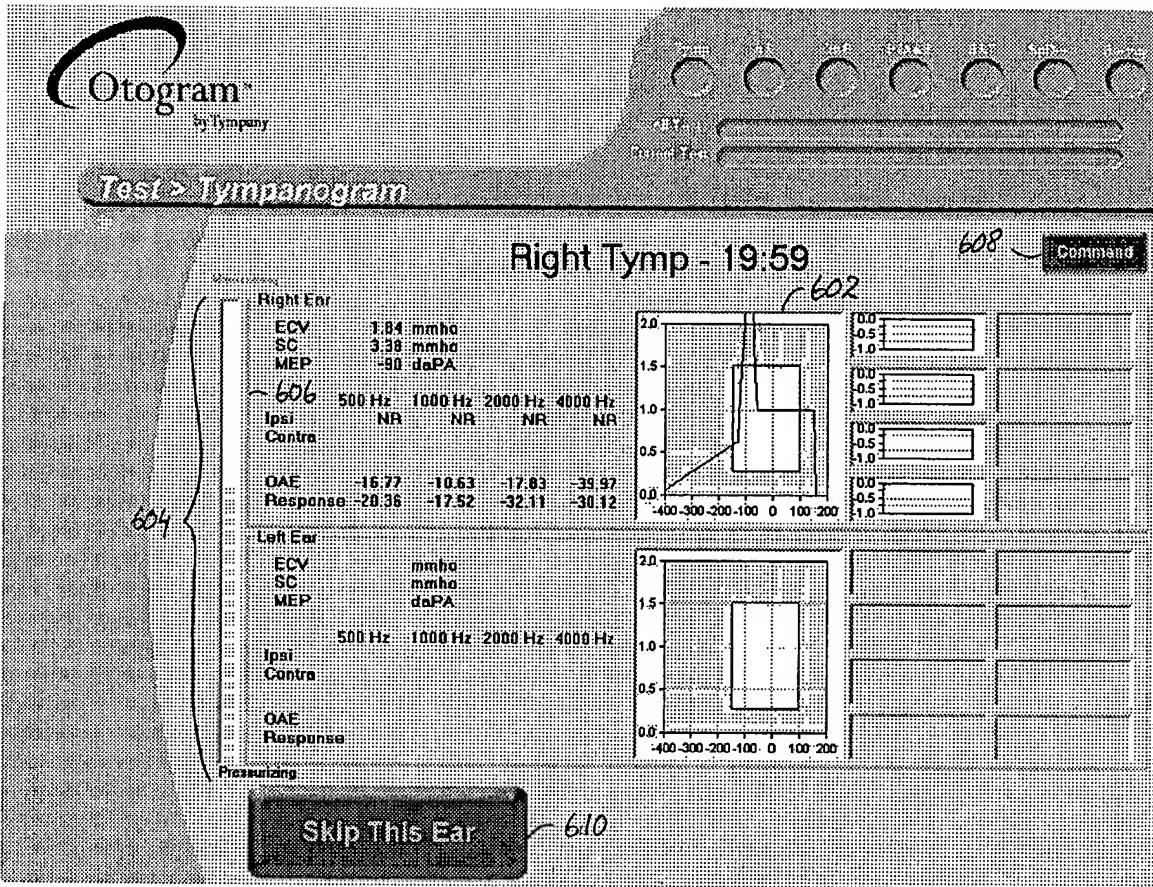
Speech Discrimination

Patient Survey

Save and Exit | Exit

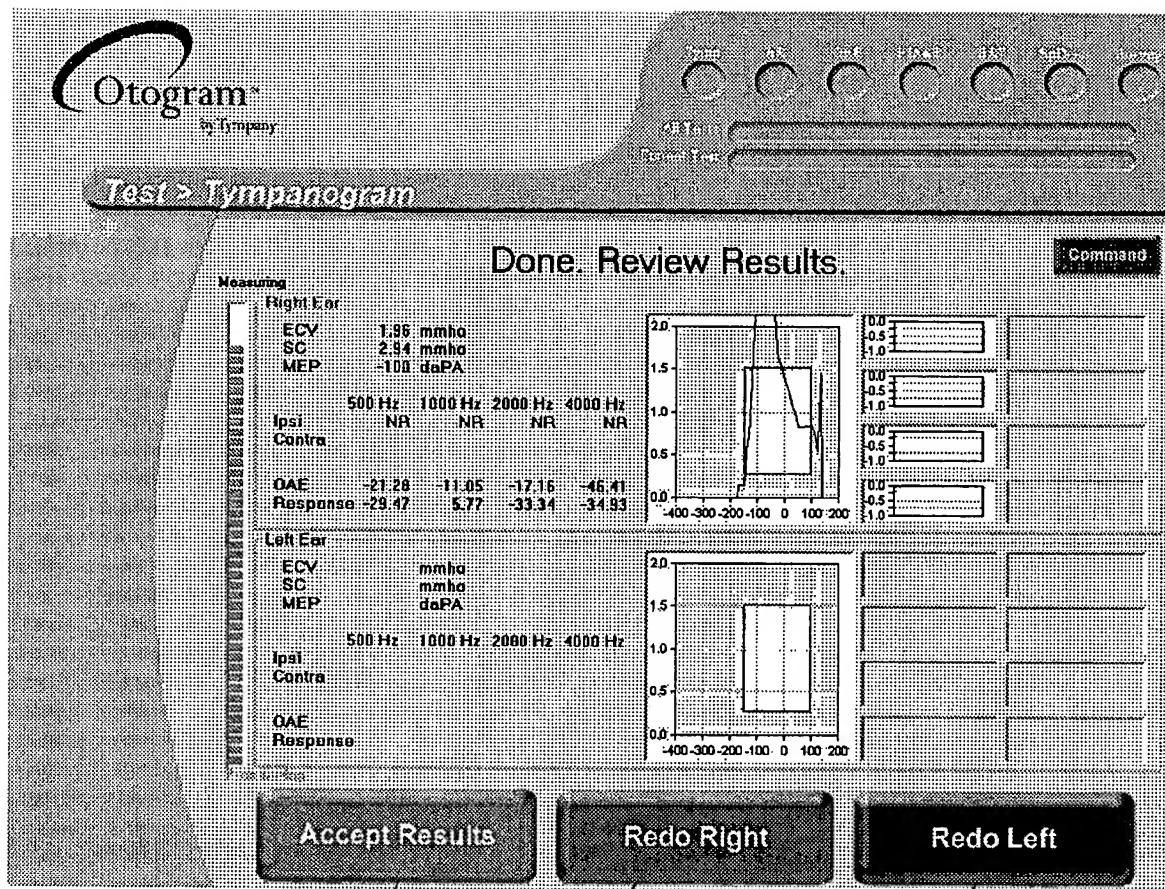
560

FIG. 5M



600 ↑

FIG. 6A



↑  
612

614

616

618

FIG. 6B

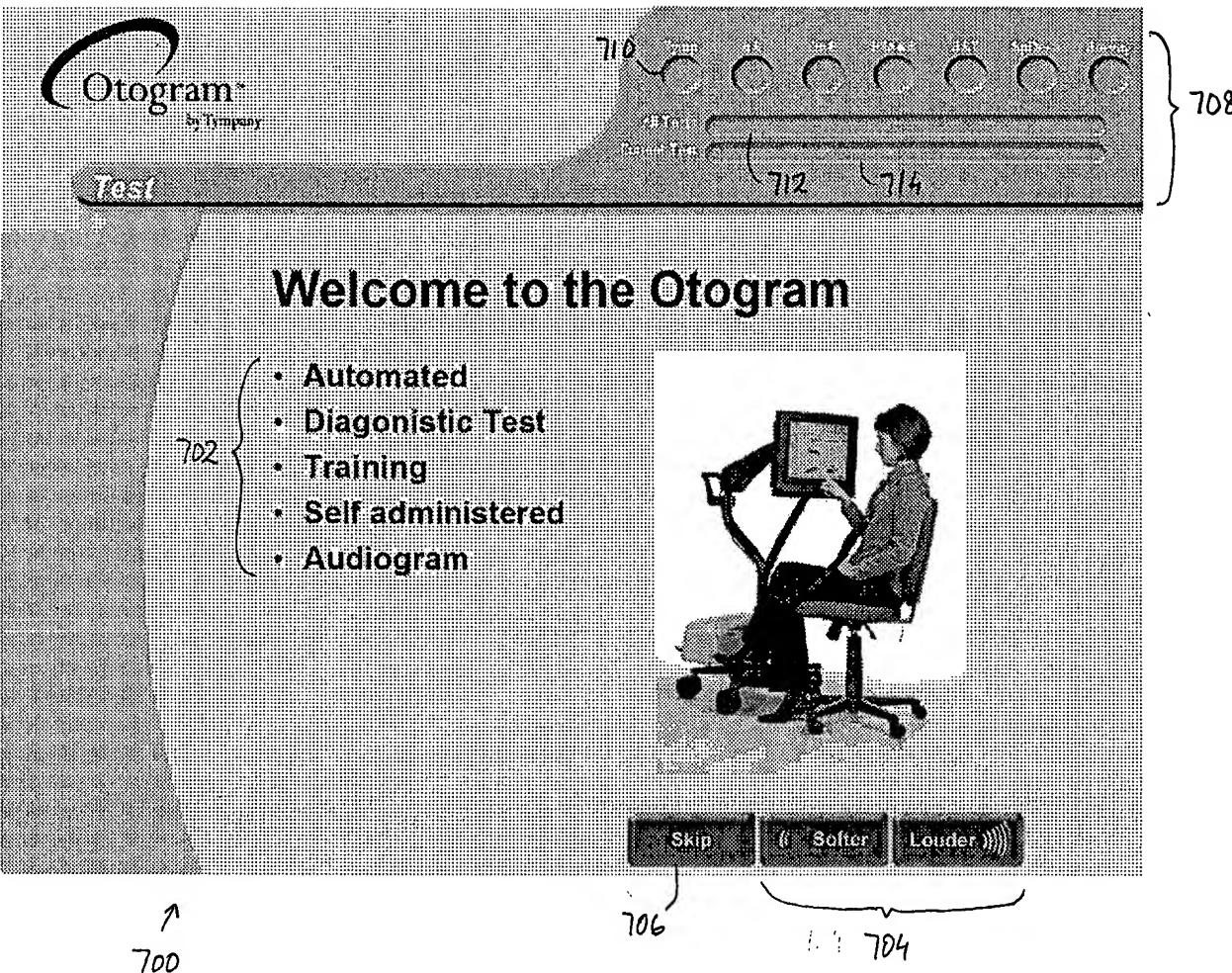


FIG. 7A

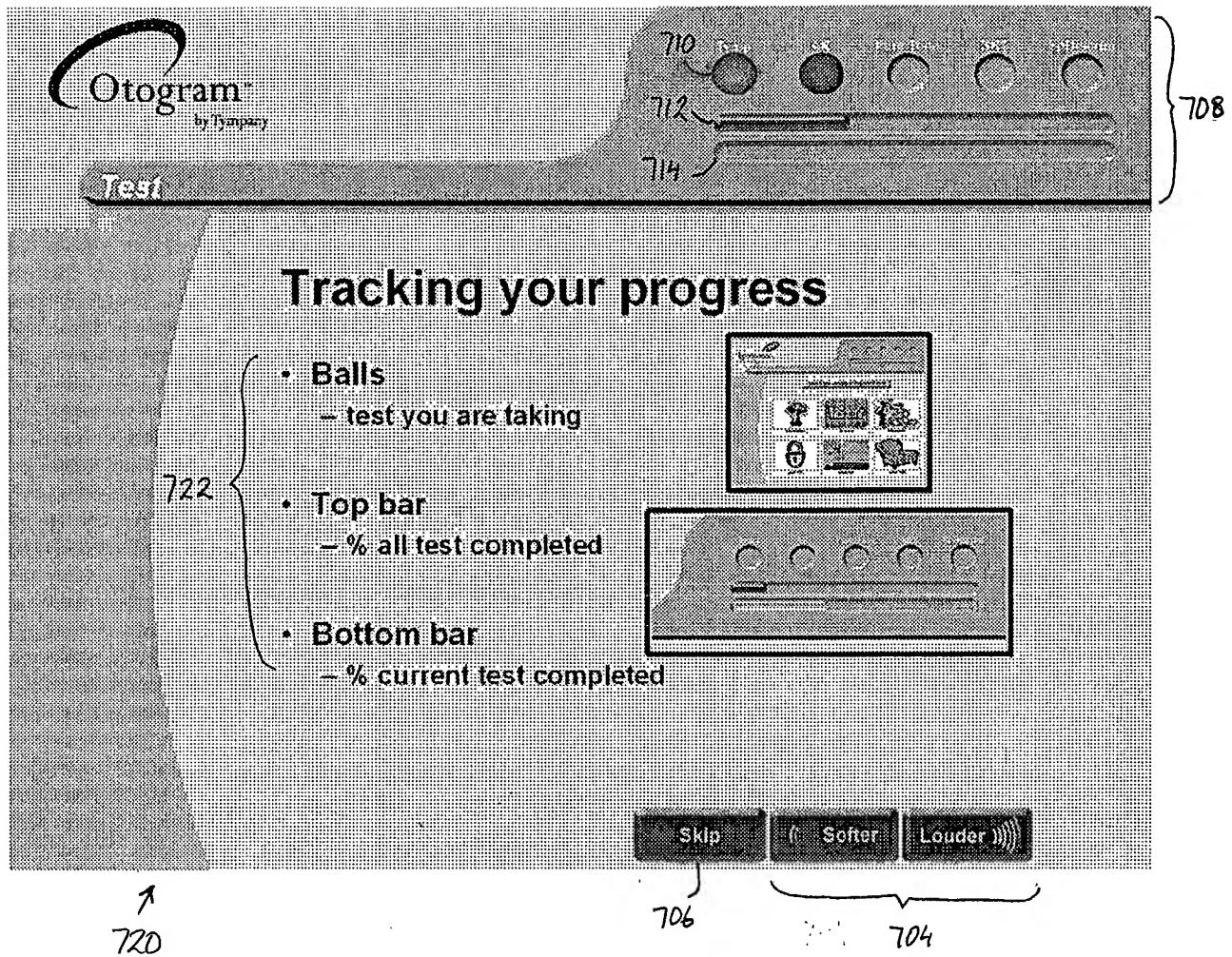


FIG. 7B

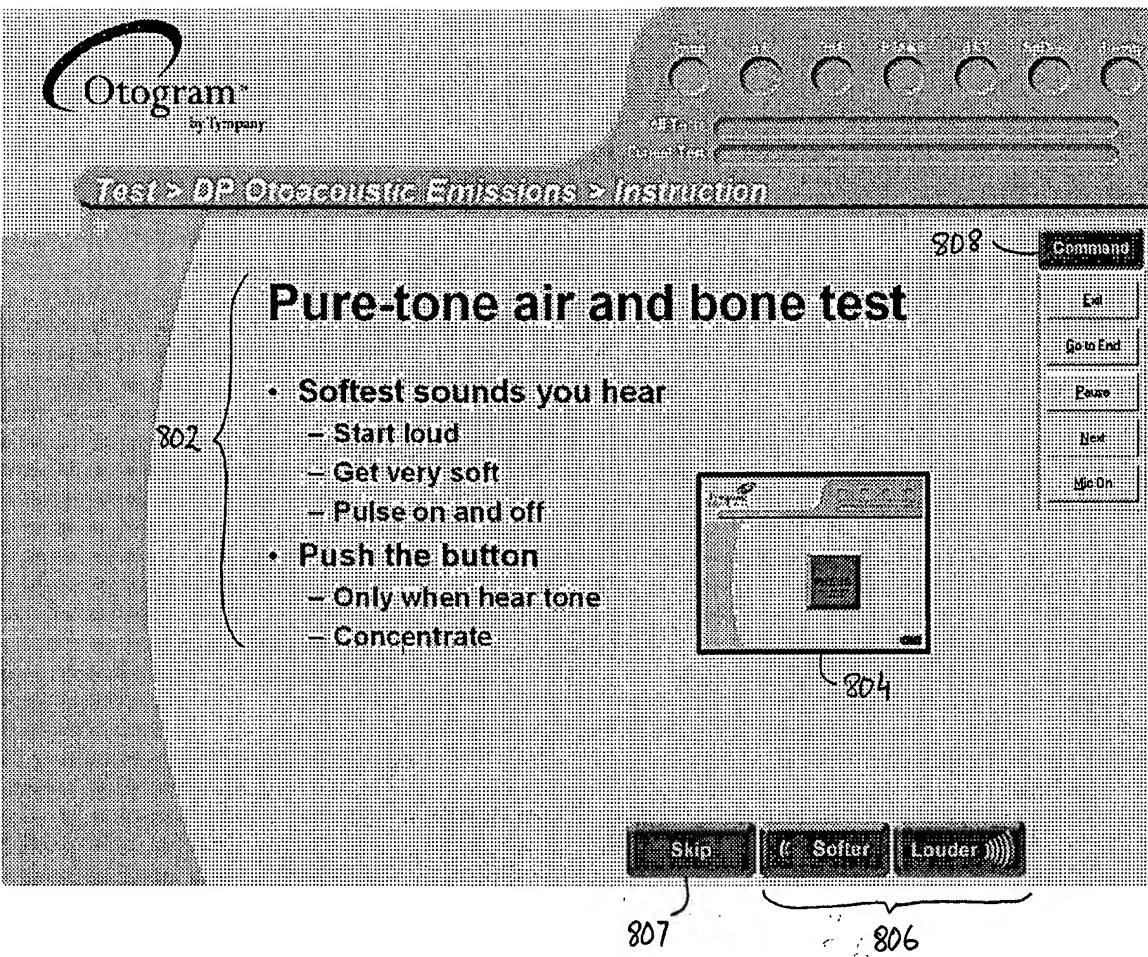
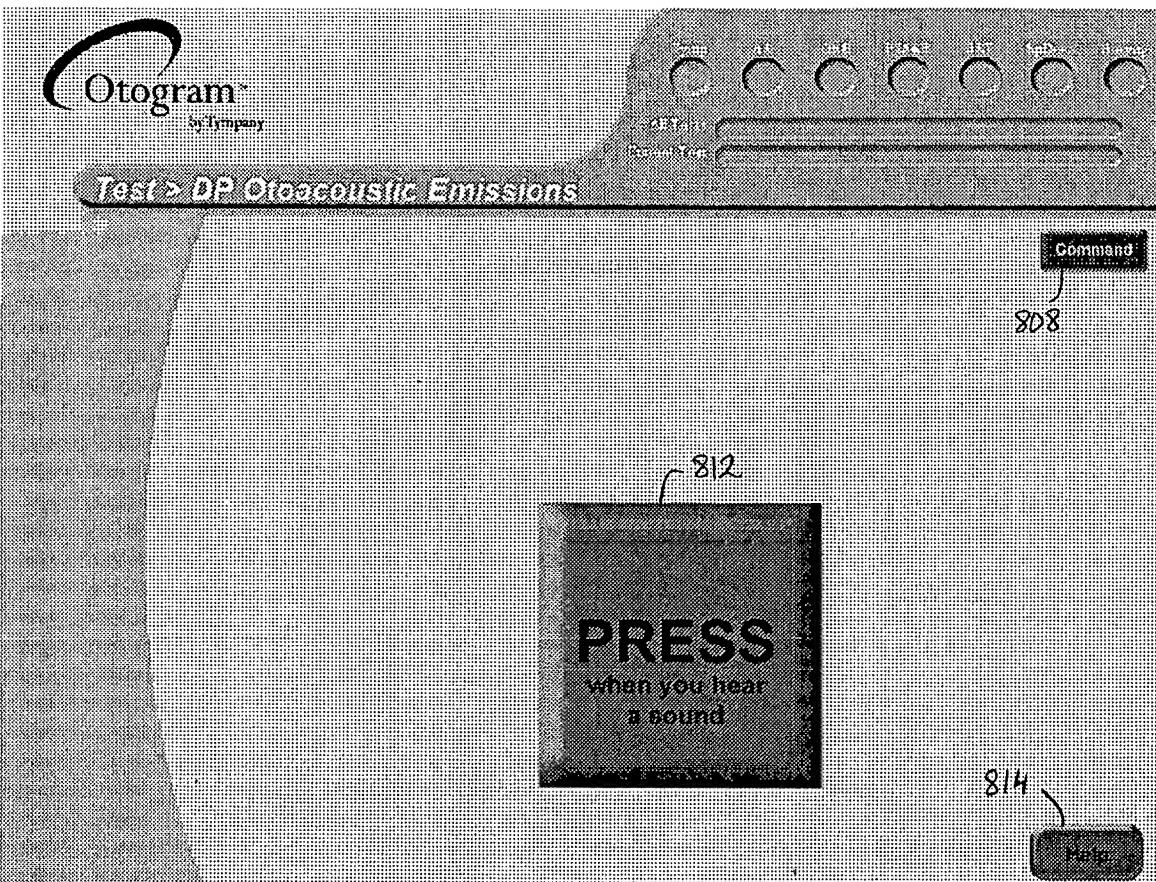


FIG. 8A



810

FIG. 8B

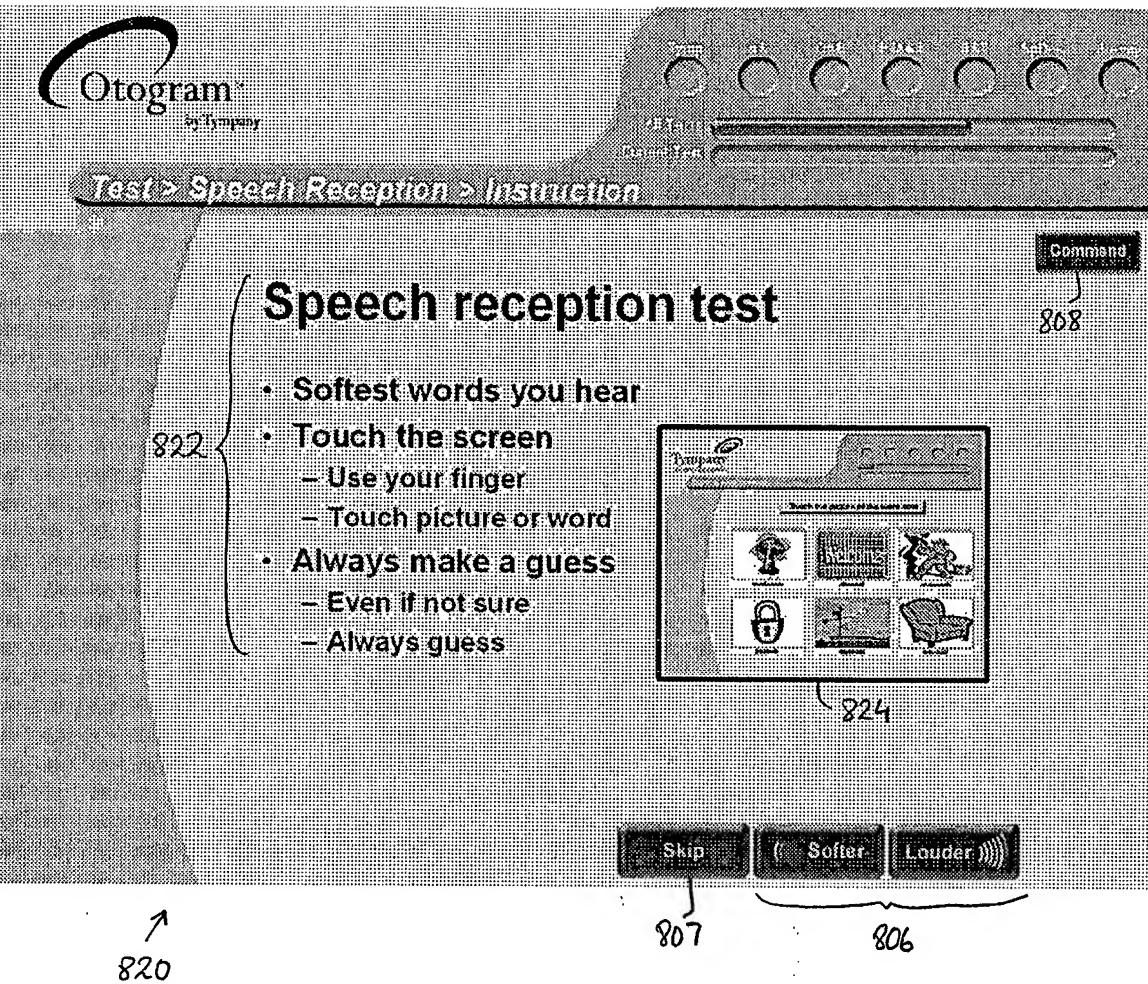
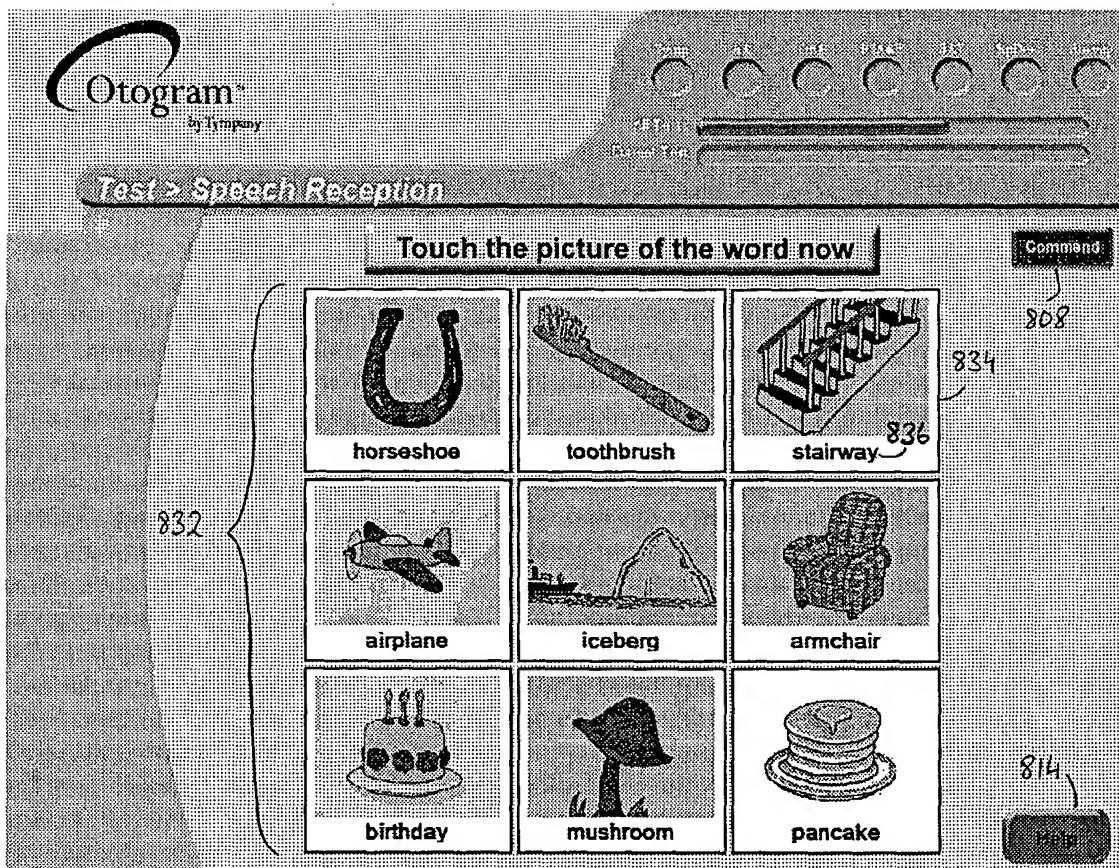


FIG. 8C



830

FIG. 8D

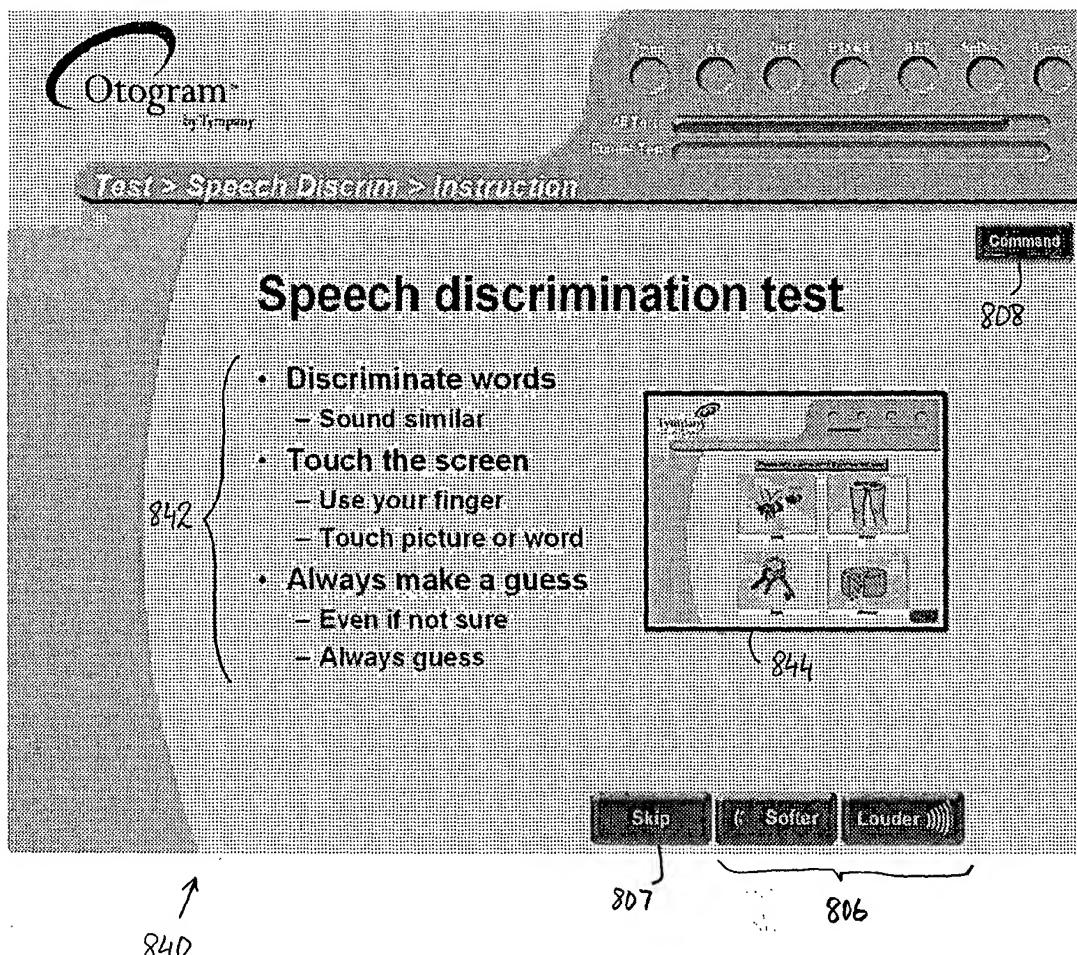
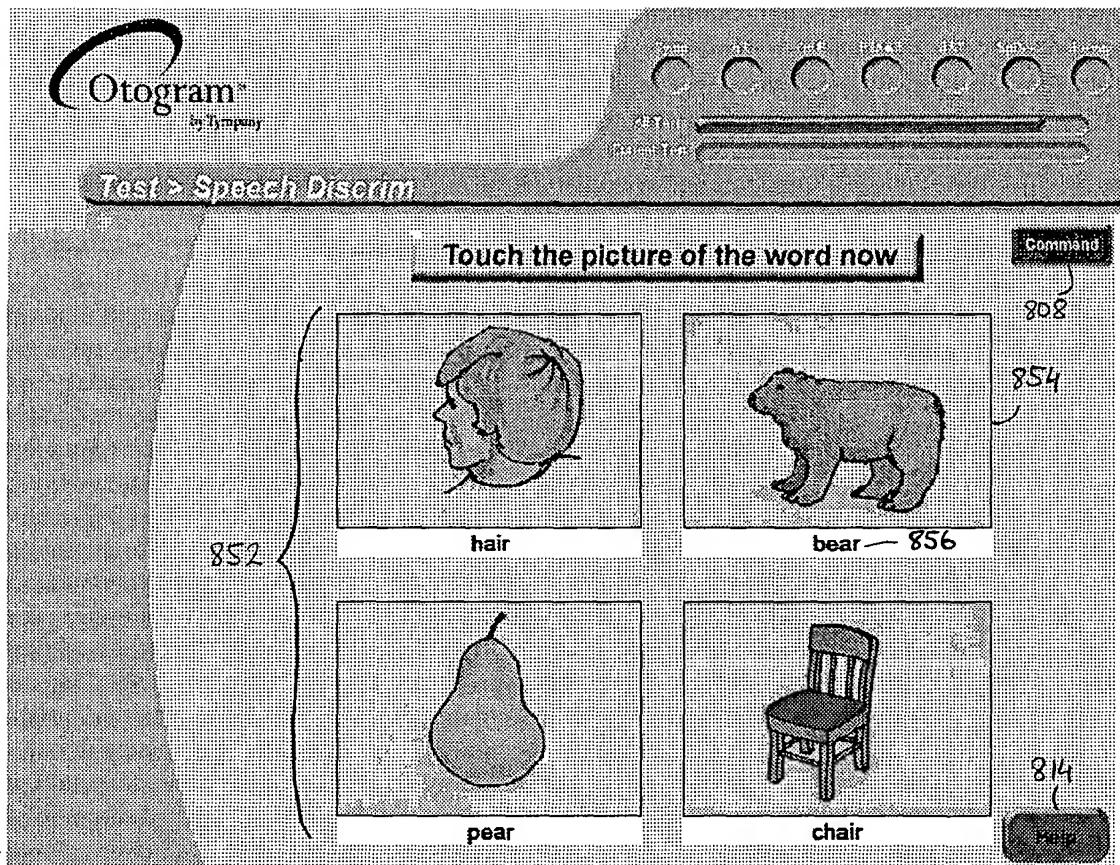


FIG. 8E



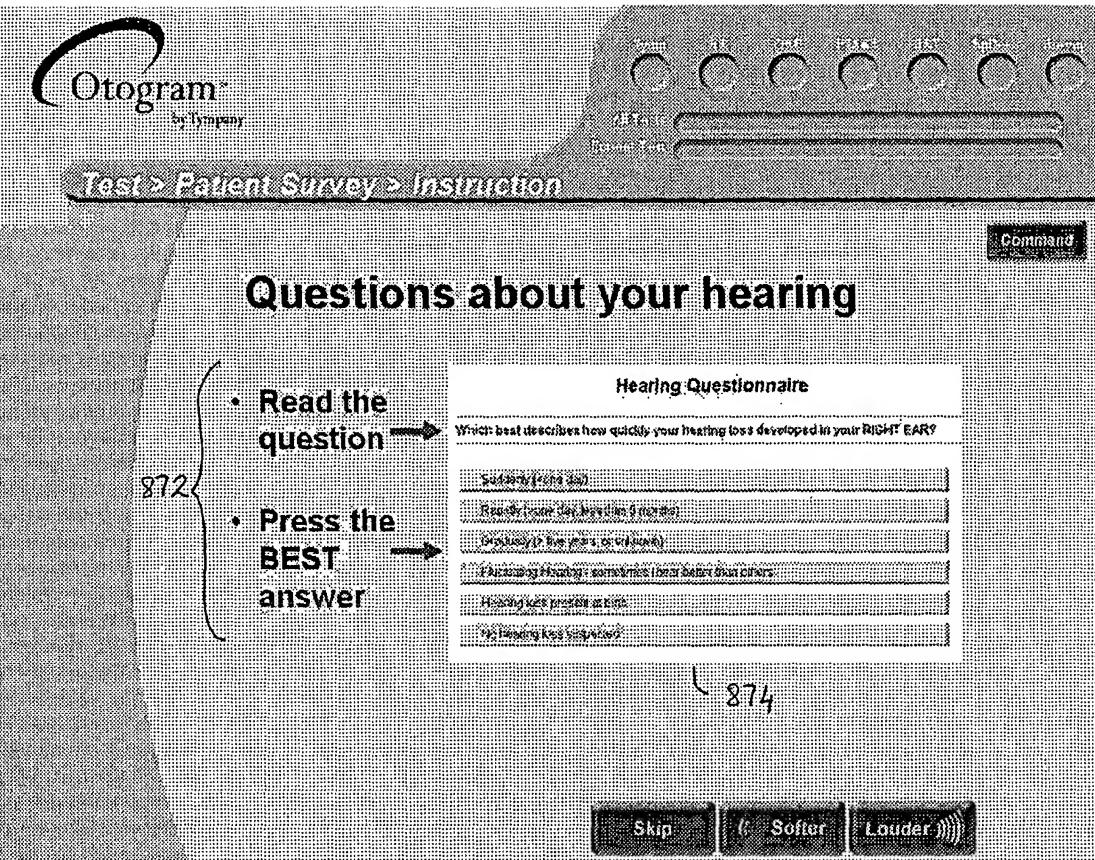
850

FIG. 8F



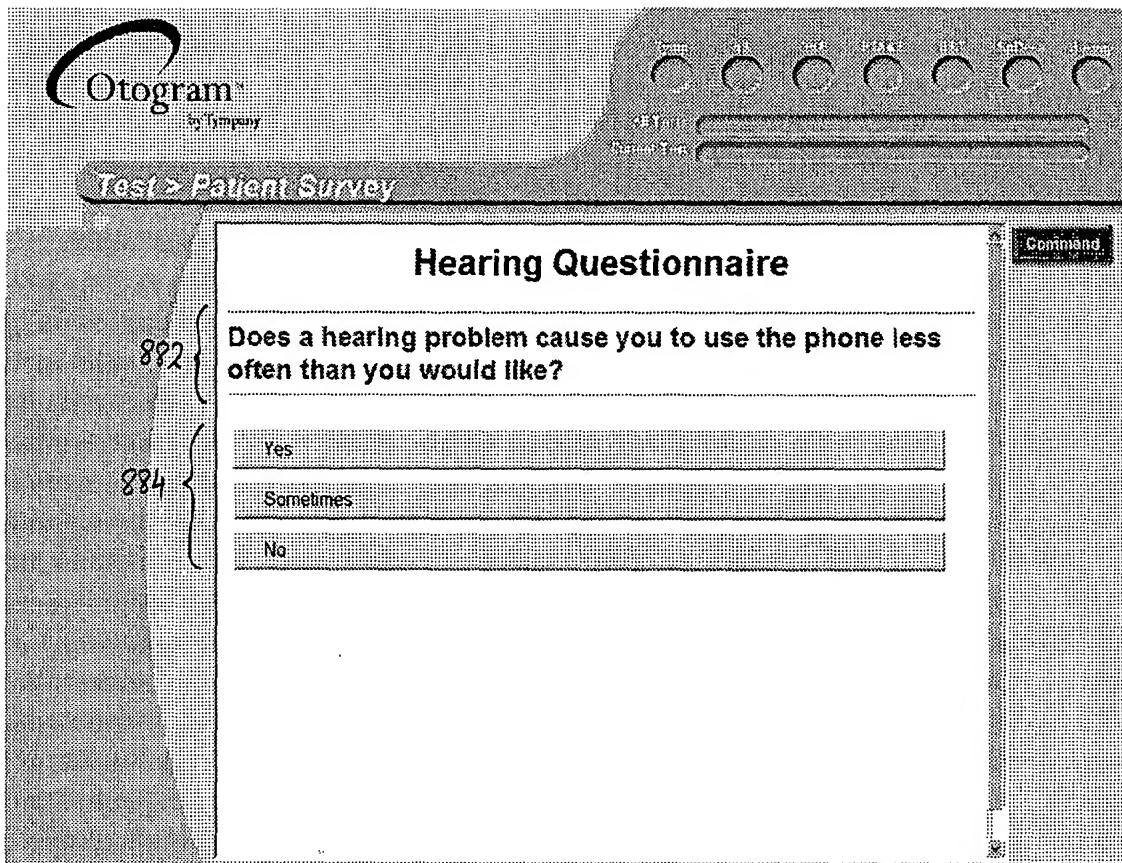
↑  
860

FIG. 8G



1  
870

FIG. 8H



880  
↑

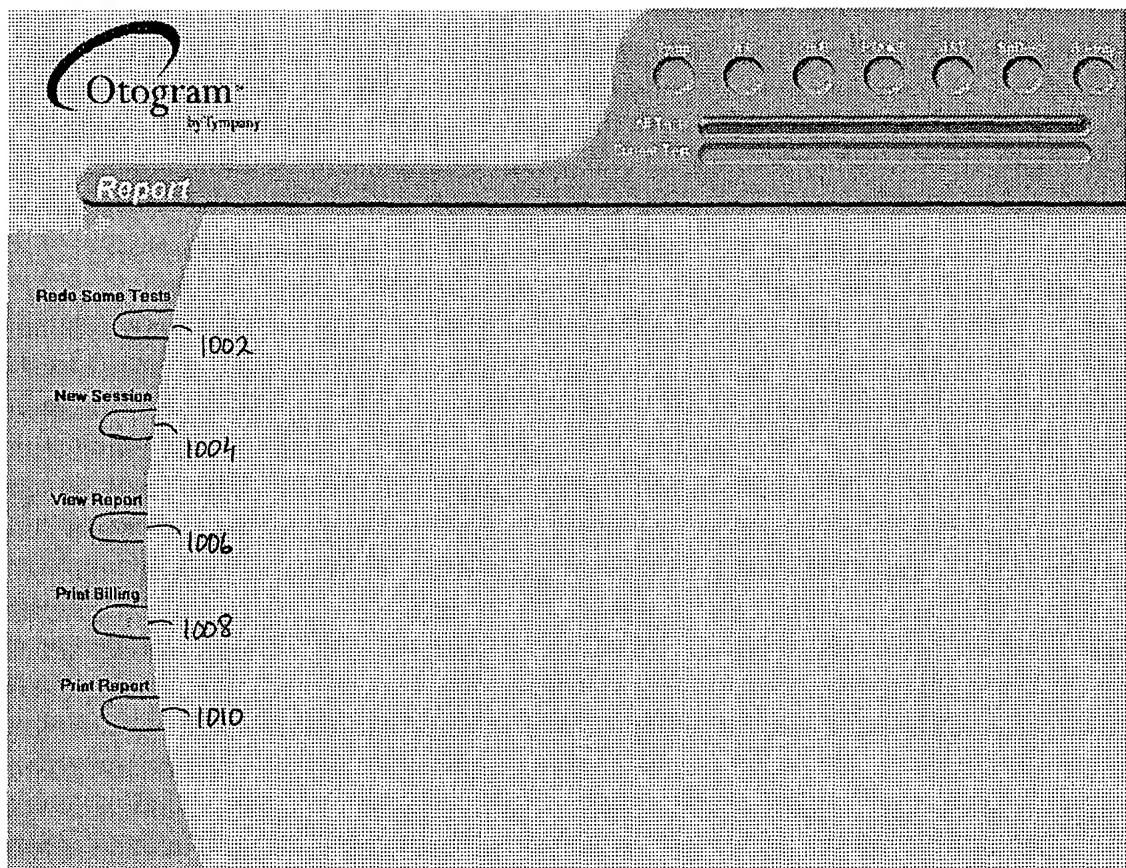
FIG. 8I

**The test administrator  
has been paged.**

**Please wait for the  
administrator to return.**

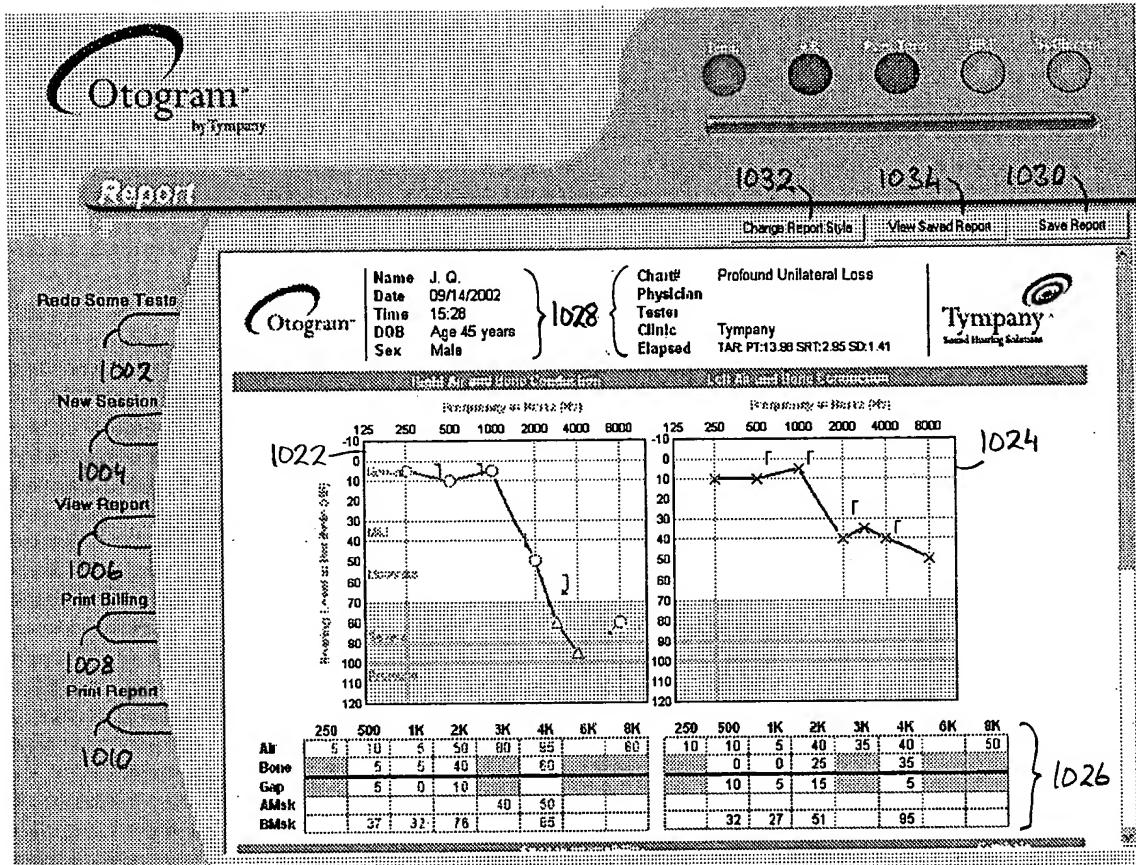
900 ↑

FIG. 9



1000

FIG. 10A



1020

FIG. 10B

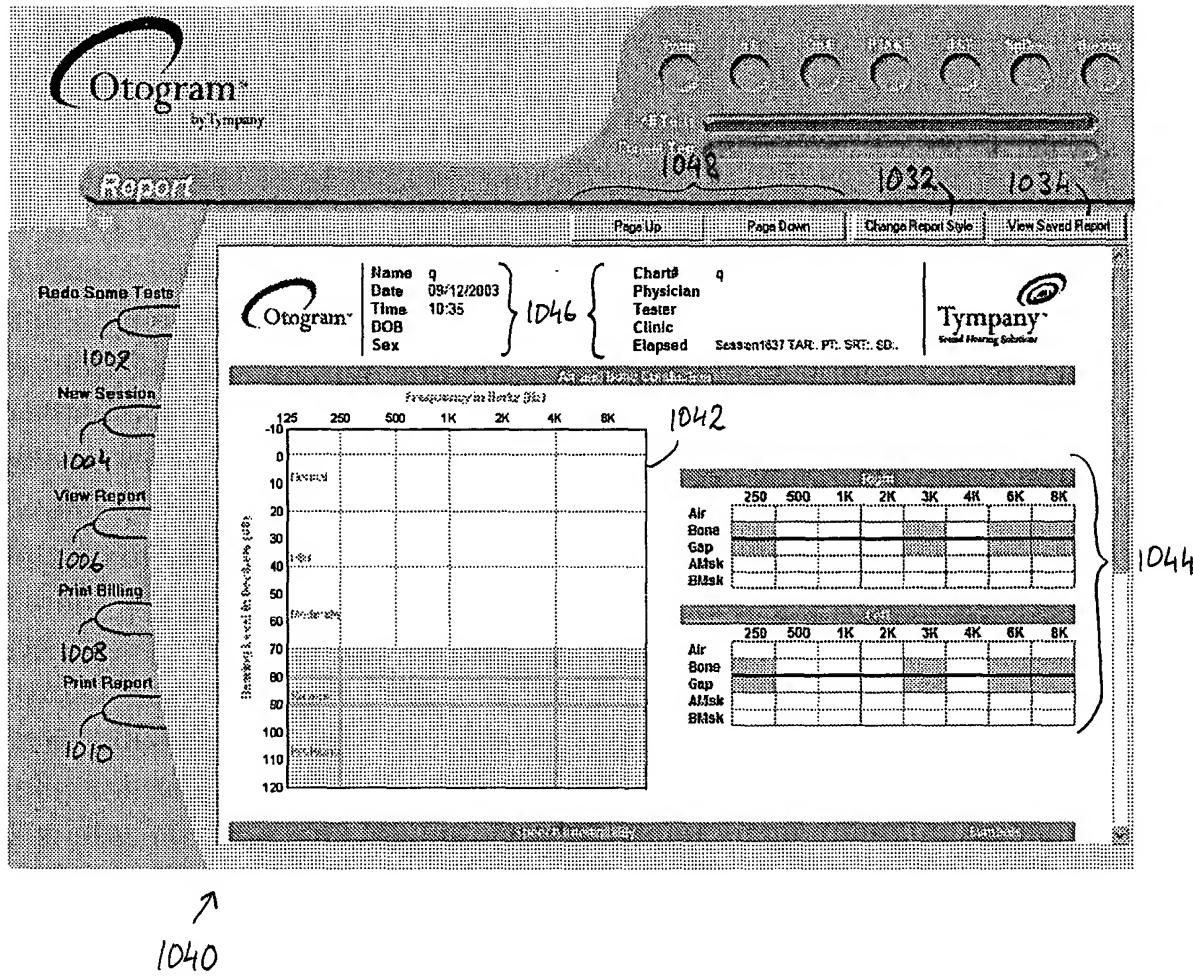


FIG. 10C

Report Search

Sort By	Clinic	
Select By	Date of Test	
Criteria		
1054		
Display All	Search	Cancel

1050

1052

FIG. 10D

Otogram<sup>®</sup>  
by tympany

1031

1076 1032 1034

Compare View Print

Patient Chart # Test Date Time Clinic Physician Tester

Patient Chart #	Test Date	Time	Clinic	Physician	Tester	
1234 1234	06/10/2003	17:01		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
Jenny 13245	06/06/2003	16:40		Dr. Jones	Jane Doe	Log Data Tymo Audiogram
kenny ariane	06/06/2003	16:06		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
adsf asdf	06/10/2003	10:31		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
dgh gdh	06/06/2003	17:01		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
gfa gfa	06/10/2003	16:42		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
blue green	06/11/2003	12:55		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
jenny jenny	06/11/2003	13:15		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
Dave Ken	06/11/2003	12:46		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
Ken Ken	06/11/2003	16:12		Dr. Smith	Jane Doe	Log Data Tymo Audiogram
g g	06/25/2003	13:13		Dr. Smith	Jane Doe	Log Data Tymo Audiogram

1060

FIG. 10E

Test

Page Up

Page Down

Change Report Style

Back

1032

1086

Tympany<sup>®</sup>  
Sensory Hearing Solutions

New Session: 1002

Print Billing: 1008

Print Report: 1010

Otogram<sup>®</sup>

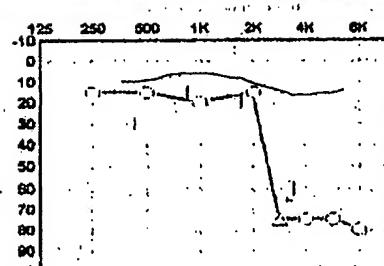
Name: B. W.  
Date: 09/14/2002 vs. 09/05/2002  
Time: 09:20 vs. 14:22  
DOB: Age 52 years ← 1090 →  
Sex: Male

Chart/  
Physician:  
Tester:  
Clinic:  
Elapsed:

Moderate to Severe

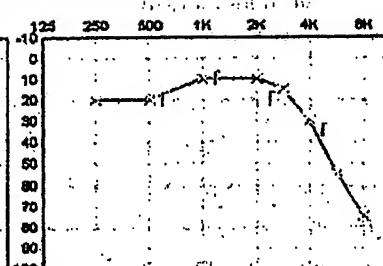
Tympany  
TAR: PT:16.08 SRT:4.4 SD:1.48

Right Air and Bone Conduction



1082 →

Left Air and Bone Conduction



← 1084

1086

← 1086

1088

← 1088

1080

↑ 1080

1080

Speech audiometry

1086

← 1088

FIG. 10F